

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,022,446 B2  
APPLICATION NO. : 10/616944  
DATED : April 4, 2006  
INVENTOR(S) : Kimihiro Yoshimura et al.

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE [73]:

Assignees, insert: --(73) Assignee: Canon Kabushiki Kaisha, Tokyo (JP)--.

ON THE TITLE PAGE [76]:

Inventors, "(76) Inventors: Kimihiro Yoshimura, Canon Kabushiki Kaisha  
3-30-2, Shimomaruko, Ohta-ku, Tokyo (JP);  
Yosuke Morikawa, Canon Kabushiki Kaisha  
3-30-2, Shimomaruko, Ohta-ku, Tokyo (JP);  
Tatsuya Ikezue, Canon Kabushiki Kaisha  
3-30-2, Shimomaruko, Ohta-ku, Tokyo (JP);  
Kouichi Nakata, Canon Kabushiki Kaisha,  
3-30-2, Shimomaruko, Ohta-ku, Tokyo (JP);  
Daisuke Tanaka, Canon Kabushiki Kaisha  
3-30-2, Shimomaruko, Ohta-ku, Tokyo (JP)"  
should read  
--(75) Inventors; Kimihiro Yoshimura, Kanagawa (JP);  
Yosuke Morikawa, Kanagawa (JP); Tatsuya  
Ikezue, Kanagawa (JP); Kouichi Nakata,  
Shizuoka (JP); Daisuke Tanaka, Shizuoka  
(JP)--.

COLUMN 5:

Line 37, "ace al" should read --acetal--.

COLUMN 9:

Line 23, "virture" should read --virtue--.

COLUMN 30:

Line 11, "a" should be deleted.

COLUMN 42:

Line 25, "Specified" should read --Specific--.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,022,446 B2  
APPLICATION NO. : 10/616944  
DATED : April 4, 2006  
INVENTOR(S) : Kimihiro Yoshimura et al.

Page 2 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 46:

Line 59, "dichloromehtane" should read --dichloromethane--.

COLUMN 48:

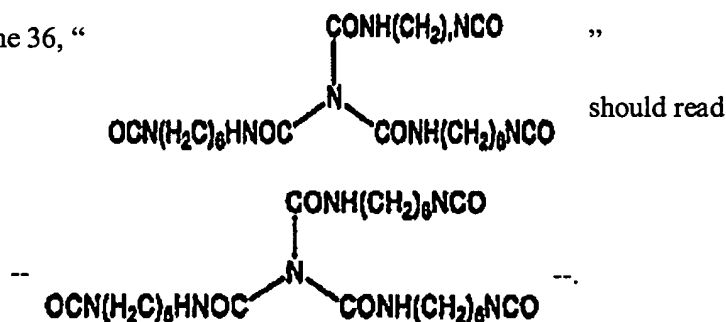
Line 46, "the R<sup>B3</sup>" should read --the R<sup>B1</sup>--.

COLUMN 49:

Line 57, "Example 22-25" should read --Examples 22-25--.

COLUMN 51:

Line 36, "



COLUMN 56:

Line 23, "Example 51-54" should read --Examples 51-54--.

COLUMN 60:

Line 19, "dichloromehtane" should read --dichloromethane--; and  
Line 52, "(3,3,3-tifluoropropul)" should read --(3,3,3-trifluoropropyl)--.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,022,446 B2  
APPLICATION NO. : 10/616944  
DATED : April 4, 2006  
INVENTOR(S) : Kimihiro Yoshimura et al.

Page 3 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 61:

Table 3, "hydroxyniethyl" should read --hydroxymethyl--.

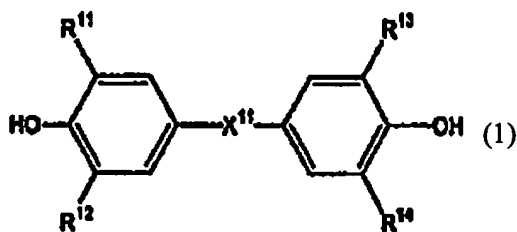
COLUMN 62:

Line 26, "(3,3,3-tifluoropropul)" should read --(3,3,3-trifluoropropyl)--; and  
Line 48, "dylthioxanthone" should read --ylthioxanthone--.

COLUMN 65:

Line 9, "polymerizing" should read  
--polymierizing

(i) a polyhydroxymethylbisphenol monomer having a structure represented by the following Formula (1):



wherein  $X^{11}$  represents a single bond, a carbonyl group, an ether group, a thioether group or a  $-CR^{01}R^{02}-$  group, where  $R^{01}$  and  $R^{02}$  each independently represent a hydrogen atom, a substituted or unsubstituted alkyl group having 1 to 4 carbon atoms or a substituted or unsubstituted phenyl group, or represent a substituted or unsubstituted cycloalkylidene group having 3 to 6 carbon atoms which is formed by combination of  $R^{01}$  with  $R^{02}$ , provided that a case in which both the  $R^{01}$  and  $R^{02}$  are substituted or unsubstituted phenyl groups is excluded; and  $R^{11}$  to  $R^{14}$  each independently represent a hydroxymethyl group, a hydrogen atom, a halogen atom, a substituted or unsubstituted alkyl group having 1 to 4 carbon atoms other than the hydroxymethyl group, a substituted or unsubstituted cycloalkyl group having 3 to 6 carbon atoms, or a substituted or unsubstituted alkoxy group having 1 to 4 carbon atoms, provided that at least two of the  $R^{11}$  to  $R^{14}$  are each a hydroxymethyl group or

(ii) a polyhydroxymethylbisphenol monomer having a structure represented by the following Formula (2) has been condensed through a methylene group:--

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,022,446 B2  
APPLICATION NO. : 10/616944  
DATED : April 4, 2006  
INVENTOR(S) : Kimihiro Yoshimura et al.

Page 4 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 67:

Line 62, "(ii)" should read --¶ (ii)--.

COLUMN 68:

Line 23, "atoms" should read --atoms,--.

COLUMN 70:

Line 3, "hat" should read --that--.

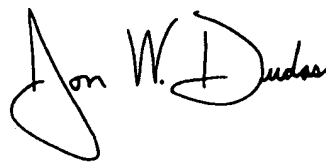
Line 4, "or," should read --or--.

COLUMN 71:

Line 31, "atoms" should read --atoms,--.

Signed and Sealed this

Twenty-sixth Day of December, 2006

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*